SEP 23 2002

SEQUENCE LISTING

<110> Sloan-Kettering Institute for Cancer Research
Rothman, James E.
Mayhew, Mark
Hoe, Mee H.
Houghton, Alan
Hartl, Ulrich
Ouerfelli, Ouathek
Moroi, Yoichi

<120> CONJUGATE HEAT SHOCK PROTEIN-BINDING PEPTIDES

<130> 11746/46002

<140> 10/053,498
<141> 2002-01-17

<150> 08/961,707
<151> 1997-10-31

<160> 321

<170> WordPerfect 8.0 for Windows

<210> 1
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 1

His Thr Thr Val Tyr Gly Ala Gly
1 5

<210> 2
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 2

Thr Glu Thr Pro Tyr Pro Thr Gly
1 5

<210> 3
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 3

Leu Thr Thr Pro Phe Ser Ser Gly
1 5

<210> 4
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 4

Gly Val Pro Leu Thr Met Asp Gly
1 5

<210> 5
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 5

Lys Leu Pro Thr Val Leu Arg Gly
1 5

<210> 6
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 6

Cys Arg Phe His Gly Asn Arg Gly
1 5

<210> 7
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 7

Tyr Thr Arg Asp Phe Glu Ala Gly
1 5

<210> 8
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 8

Ser Ser Ala Ala Gly Pro Arg Gly
1 5

<210> 9
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 9

Ser Leu Ile Gln Tyr Ser Arg Gly
1 5

<210> 10
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> unknown

<400> 10

Asp Ala Leu Met Trp Pro Xaa Gly
1 5

<210> 11
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> unknown

<400> 11

Ser Ser Xaa Ser Leu Tyr Ile Gly
1 5

<210> 12
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 12

Phe Asn Thr Ser Thr Arg Thr Gly
1 5

<210> 13
<211> 8

<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 13

Thr Val Gln His Val Ala Phe Gly
1 5

<210> 14
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 14

Asp Tyr Ser Phe Pro Pro Leu Gly
1 5

<210> 15
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 15

Val Gly Ser Met Glu Ser Leu Gly
1 5

<210> 16
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> unknown

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> unknown

<400> 16

Phe Xaa Pro Met Ile Xaa Ser Gly
1 5

<210> 17
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 17

Ala Pro Pro Arg Val Thr Met Gly
1 5

<210> 18
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 18

Ile Ala Thr Lys Thr Pro Lys Gly
1 5

<210> 19
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 19

Lys Pro Pro Leu Phe Gln Ile Gly
1 5

<210> 20
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 20

Tyr His Thr Ala His Asn Met Gly
1 5

<210> 21
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 21

Ser Tyr Ile Gln Ala Thr His Gly
1 5

<210> 22
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 22

Ser Ser Phe Ala Thr Phe Leu Gly
1 5

<210> 23
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 23

Thr Thr Pro Pro Asn Phe Ala Gly
1 5

<210> 24
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 24

Ile Ser Leu Asp Pro Arg Met Gly
1 5

<210> 25
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 25

Ser Leu Pro Leu Phe Gly Ala Gly
1 5

<210> 26
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 26

Asn Leu Leu Lys Thr Thr Leu Gly
1 5

<210> 27
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 27

Asp Gln Asn Leu Pro Arg Arg Gly
1 5

<210> 28
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 28

Ser His Phe Glu Gln Leu Leu Gly
1 5

<210> 29
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 29

Thr Pro Gln Leu His His Gly Gly
1 5

<210> 30
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 30

Ala Pro Leu Asp Arg Ile Thr Gly
1 5

<210> 31
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 31

Phe Ala Pro Leu Ile Ala His Gly
1 5

<210> 32
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 32

Ser Trp Ile Gln Thr Phe Met Gly
1 5

<210> 33
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 33

Asn Thr Trp Pro His Met Tyr Gly
1 5

<210> 34
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 34

Glu Pro Leu Pro Thr Thr Leu Gly
1 5

<210> 35
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 35

His Gly Pro His Leu Phe Asn Gly
1 5

<210> 36
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 36

Tyr Leu Asn Ser Thr Leu Ala Gly
1 5

<210> 37
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 37

His Leu His Ser Pro Ser Gly Gly
1 5

<210> 38
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA insert in M13 coliphage

<400> 38

catacgactg tttatggggc tggt 24

<210> 39
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 39

actgagacgc cttatcctac tggt 24

<210> 40
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 40

cttactactc cgttttcgtc gggt 24

<210> 41
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 41

ggtgtgcctc ttacgatgga tggt 24

<210> 42
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 42

aagcttccga ctgttctgcg gggt 24

<210> 43
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 43

tgtcgctttc atgggaatcg tggt 24

<210> 44
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 44

tatactcggg attttgaggc tggt 24

<210> 45
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 45

tcgtcggcgg ctggtccgcg gggt 24

<210> 46
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 46

tctctgattc agtattcgag gggt 24

<210> 47
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<220>
<221> MISC_FEATURE
<222> (19)..(19)
<223> unknown

<400> 47

gatgctctta tgtggcctnt gggt 24

<210> 48
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<220>
<221> MISC_FEATURE
<222> (8)..(8)
<223> unknown

<400> 48

tcgtctcntt cgttgtatat tggt 24

<210> 49
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 49

tttaatactt cgacgcgtac gggt 24

<210> 50
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 50

actgtgcagc atgttgcttt tggt 24

<210> 51
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 51

gattattctt ttcgcctct tggt 24

<210> 52
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 52

gtggggtcta tggagtcgtt gggt 24

<210> 53
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> unknown

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> unknown

<220>
<221> MISC_FEATURE
<222> (18)..(18)
<223> unknown

<400> 53

tttcanccga tgattngntc gggt 24

<210> 54
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 54

gcgcctccgc gggttactat gggt 24

<210> 55
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 55

attgctacga agacgcctaa gggt 24

<210> 56
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 56

aagcctccgt tgtttcagat tggt 24

<210> 57
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 57

tatcatactg ctcataatat gggt 24

<210> 58
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 58

tcttatattc aggctacgca tggt 24

<210> 59
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 59

tcgtcttttg ctacttttct tggt 24

<210> 60
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 60

acgactccgc cgaattttgc gggt 24

<210> 61
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 61

atttctcttg atccgcgtat gggt 24

<210> 62
<211> 24

<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 62

tcgctgccgc tgtttggtgc gggt 24

<210> 63
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 63

aatcttctta agactacgct tggt 24

<210> 64
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 64

gatcagaatc tgccgcggcg gggt 24

<210> 65
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 65

agtcattttg agcagctgct tggt 24

<210> 66
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 66

acgccgcagc ttcatcatgg tggt 24

<210> 67
<211> 24
<212> DNA
<213> Artificial Sequence

<220>

<223> random DNA in m13 coliphage

<400> 67

gcgcctctgg ataggattac gggt 24

<210> 68
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 68

tttgcgcctc ttattgcgca tggt 24

<210> 69
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 69

tcgtggattt agacgtttat gggt 24

<210> 70
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 70

aatacttggc ctcatatgta tggt 24

<210> 71
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 71

gagcctcttc cgactacgtt gggt 24

<210> 72
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 72

catgggcctc atctgtttaa tggt 24

<210> 73
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 73

tatctgaatt ctacgcttgc tggt 24

<210> 74
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 74

catcttcata gtccgtcggg gggt 24

<210> 75
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> random peptide in m13 coliphage

<400> 75

Thr Leu Pro His Arg Leu Asn Gly
1 5

<210> 76
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 76

Ser Ser Pro Arg Glu Val His Gly
1 5

<210> 77
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 77

Asn Gln Val Asp Thr Ala Arg Gly
1 5

<210> 78
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 78

Tyr Pro Thr Pro Leu Leu Thr Gly
1 5

<210> 79
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 79

His Pro Ala Ala Phe Pro Trp Gly
1 5

<210> 80
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 80

Leu Leu Pro His Ser Ser Ala Gly
1 5

<210> 81
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 81

Leu Glu Thr Tyr Thr Ala Ser Gly
1 5

<210> 82
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 82

Lys Tyr Val Pro Leu Pro Pro Gly
1 5

<210> 83
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 83

Ala Pro Leu Ala Leu His Ala Gly
1 5

<210> 84
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 84

Tyr Glu Ser Leu Leu Thr Lys Gly
1 5

<210> 85
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 85

Ser His Ala Ala Ser Gly Thr Gly
1 5

<210> 86
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 86

Gly Leu Ala Thr Val Lys Ser Gly
1 5

<210> 87
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 87

Gly Ala Thr Ser Phe Gly Leu Gly
1 5

<210> 88
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 88

Lys Pro Pro Gly Pro Val Ser Gly
1 5

<210> 89
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 89

Thr Leu Tyr Val Ser Gly Asn Gly
1 5

<210> 90
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 90

His Ala Pro Phe Lys Ser Gln Gly
1 5

<210> 91
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 91

Val Ala Phe Thr Arg Leu Pro Gly
1 5

<210> 92
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 92

Leu Pro Thr Arg Thr Pro Ala Gly
1 5

<210> 93
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 93

Ala Ser Phe Asp Leu Leu Ile Gly
1 5

<210> 94
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 94

Arg Met Asn Thr Glu Pro Pro Gly
1 5

<210> 95
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 95

Lys Met Thr Pro Leu Thr Thr Gly
1 5

<210> 96
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 96

Ala Asn Ala Thr Pro Leu Leu Gly
1 5

<210> 97
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 97

Thr Ile Trp Pro Pro Pro Val Gly
1 5

<210> 98
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 98

Gln Thr Lys Val Met Thr Thr Gly
1 5

<210> 99
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 99

Asn His Ala Val Phe Ala Ser Gly
1 5

<210> 100
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> unknown

<400> 100

Leu His Ala Ala Xaa Thr Ser Gly
1 5

<210> 101
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 101

Thr Trp Gln Pro Tyr Phe His Gly
1 5

<210> 102
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 102

Ala Pro Leu Ala Leu His Ala Gly
1 5

<210> 103
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 103

Thr Ala His Asp Leu Thr Val Gly
1 5

<210> 104
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 104

Asn Met Thr Asn Met Leu Thr Gly
1 5

<210> 105
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 105

Gly Ser Gly Leu Ser Gln Asp Gly
1 5

<210> 106
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 106

Thr Pro Ile Lys Thr Ile Tyr Gly
1 5

<210> 107
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 107

Ser His Leu Tyr Arg Ser Ser Gly
1 5

<210> 108
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 108

actctgcctc atcgtctgaa tggt 24

<210> 109
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 109

tcgagtccga gggaggttca tggt 24

<210> 110
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 110

aatcaggttg atacggctcg gggt 24

<210> 111
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 111

tatcctacgc cgctgctgac tggt 24

<210> 112
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 112

catcctgctg cttttccttg gggt 24

<210> 113
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 113

cttcttccgc attctagtgc tggt 24

<210> 114
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 114

cttgagactt atacggcttc tggt 24

<210> 115
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 115

aagtatgtgc ctctgccgcc gggt 24

<210> 116
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 116

gcgccgttgg ctctgcatgc gggt 24

<210> 117
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 117

tatgagtcgc tgctgactaa gggt 24

<210> 118
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 118

tctcatgcgg cttctggtac tggt 24

<210> 119
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 119

ggtttggcga ctgttaagtc tggt 24

<210> 120
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 120

ggtgctacgt cttttgggct tggt 24

<210> 121
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 121

aagccgcctg ggccggtgtc gggt 24

<210> 122
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 122

actctttatg tttctgggaa tggt 24

<210> 123
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 123

catgctccgt ttaagtctca gggt 24

<210> 124
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 124

gtggcgttta cgcggcttcc gggt 24

<210> 125
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 125

ctgccgactg ctacgccggc tggt 24

<210> 126
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 126

gcgagttttg atcttttgat tggt 24

<210> 127
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 127

cggatgaata ctgagcctcc gggt 24

<210> 128
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 128

aagatgactc ctctgacgac tggt 24

<210> 129
<211> 24

<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 129

gcgaatgcga cgcctctgct gggt 24

<210> 130
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 130

acnatttggc ctccgcctgt tggt 24

<210> 131
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 131

cagactaagg tgatgacgac gggt 24

<210> 132
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 132

aatcatgctg tttttgctag tggt 24

<210> 133
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> unknown

<400> 133

ctgcatgcgg ctantacgtc gggt 24

<210> 134

<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 134

acgtggcagc cgtattttca tggt 24

<210> 135
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 135

gcgccgttgg ctctgcatgc gggt 24

<210> 136
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 136

acggcgcatg atctgactgt tggt 24

<210> 137
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 137

aatatgacta atatgcttac tggt 24

<210> 138
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 138

ggttctgggc tgtctcagga tggt 24

<210> 139
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 139

acgccgatta agacgattta tggt 24

<210> 140
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 140

tcgcatctgt atcgttctag tggt 24

<210> 141
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Random peptides in coliphage M13

<400> 141

Ser Ile Ile Asn Phe Glu Lys Leu
1 5

<210> 142
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 142

Gly Gly Gly Ser
1

<210> 143
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 143

His Trp Asp Phe Ala Trp Pro Trp
1 5

<210> 144
<211> 8
<212> PRT
<213> Artificial Sequence

<220>

<223> peptide in m13 coliphage

<400> 144

Phe Trp Gly Leu Trp Pro Trp Glu
1 5

<210> 145
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 145

Gln Lys Arg Ala Ala
1 5

<210> 146
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 146

Arg Arg Arg Ala Ala
1 5

<210> 147
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 147

Lys Phe Glu Arg Gln
1 5

<210> 148
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 148

Arg Gly Tyr Val Tyr Gln Gly Leu
1 5

<210> 149
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 149

Tyr Thr Leu Val Gln Pro Leu
1 5

<210> 150
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 150

Thr Pro Asp Ile Thr Pro Lys
1 5

<210> 151
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 151

Thr Tyr Pro Asp Leu Arg Tyr
1 5

<210> 152
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 152

Asp Arg Thr His Ala Thr Ser
1 5

<210> 153
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 153

Met Ser Thr Thr Phe Tyr Ser
1 5

<210> 154
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 154

Tyr Gln His Ala Val Gln Thr
1 5

<210> 155
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 155

Phe Pro Phe Ser Ala Ser Thr
1 5

<210> 156
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 156

Ser Ser Phe Pro Pro Leu Asp
1 5

<210> 157
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 157

Met Ala Pro Ser Pro Pro His
1 5

<210> 158
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 158

Ser Ser Phe Pro Asp Leu Leu
1 5

<210> 159
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 159

His Ser Tyr Asn Arg Leu Pro
1 5

<210> 160
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 160

His Leu Thr His Ser Gln Arg
1 5

<210> 161
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 161

Gln Ala Ala Gln Ser Arg Ser
1 5

<210> 162
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 162

Phe Ala Thr His His Ile Gly
1 5

<210> 163
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 163

Ser Met Pro Glu Pro Leu Ile
1 5

<210> 164
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 164

Ile Pro Arg Tyr His Leu Ile
1 5

<210> 165
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 165

Ser Ala Pro His Met Thr Ser
1 5

<210> 166
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 166

Lys Ala Pro Val Trp Ala Ser
1 5

<210> 167
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 167

Leu Pro His Trp Leu Leu Ile
1 5

<210> 168
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 168

Ala Ser Ala Gly Tyr Gln Ile
1 5

<210> 169
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 169

Val Thr Pro Lys Thr Gly Ser
1 5

<210> 170
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 170

Glu His Pro Met Pro Val Leu
1 5

<210> 171
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 171

Val Ser Ser Phe Val Thr Ser
1 5

<210> 172
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 172

Ser Thr His Phe Thr Trp Pro
1 5

<210> 173
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 173

Gly Gln Trp Trp Ser Pro Asp
1 5

<210> 174
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 174

Gly Pro Pro His Gln Asp Ser
1 5

<210> 175
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 175

Asn Thr Leu Pro Ser Thr Ile
1 5

<210> 176
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 176

His Gln Pro Ser Arg Trp Val
1 5

<210> 177
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 177

Tyr Gly Asn Pro Leu Gln Pro
1 5

<210> 178
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 178

Phe His Trp Trp Trp Gln Pro
1 5

<210> 179
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 179

Ile Thr Leu Lys Tyr Pro Leu
1 5

<210> 180
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 180

Phe His Trp Pro Trp Leu Phe
1 5

<210> 181
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Random peptide in coliphage M13

<400> 181

Thr Ala Gln Asp Ser Thr Gly
1 5

<210> 182
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 182

Phe His Trp Trp Trp Gln Pro
1 5

<210> 183
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 183

Phe His Trp Trp Asp Trp Trp
1 5

<210> 184
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 184

Glu Pro Phe Phe Arg Met Gln
1 5

<210> 185
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 185

Thr Trp Trp Leu Asn Tyr Arg
1 5

<210> 186
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 186

Phe His Trp Trp Trp Gln Pro
1 5

<210> 187
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 187

Gln Pro Ser His Leu Arg Trp
1 5

<210> 188
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 188

Ser Pro Ala Ser Pro Val Tyr
1 5

<210> 189
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 189

Phe His Trp Trp Trp Gln Pro
1 5

<210> 190
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 190

His Pro Ser Asn Gln Ala Ser
1 5

<210> 191
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 191

Asn Ser Ala Pro Arg Pro Val
1 5

<210> 192
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 192

Gln Leu Trp Ser Ile Tyr Pro
1 5

<210> 193
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 193

Ser Trp Pro Phe Phe Asp Leu
1 5

<210> 194
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 194

Asp Thr Thr Leu Pro Leu His
1 5

<210> 195
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 195

Trp His Trp Gln Met Leu Trp
1 5

<210> 196
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 196

Asp Ser Phe Arg Thr Pro Val
1 5

<210> 197
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 197

Thr Ser Pro Leu Ser Leu Leu
1 5

<210> 198
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 198

Ala Tyr Asn Tyr Val Ser Asp
1 5

<210> 199
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 199

Arg Pro Leu His Asp Pro Met
1 5

<210> 200
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 200

Trp Pro Ser Thr Thr Leu Phe
1 5

<210> 201
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 201

Ala Thr Leu Glu Pro Val Arg
1 5

<210> 202
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 202

Ser Met Thr Val Leu Arg Pro
1 5

<210> 203
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 203

Gln Ile Gly Ala Pro Ser Trp
1 5

<210> 204
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 204

Ala Pro Asp Leu Tyr Val Pro
1 5

<210> 205
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 205

Arg Met Pro Pro Leu Leu Pro
1 5

<210> 206
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 206

Ala Lys Ala Thr Pro Glu His
1 5

<210> 207
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 207

Thr Pro Pro Leu Arg Ile Asn
1 5

<210> 208
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 208

Leu Pro Ile His Ala Pro His
1 5

<210> 209
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 209

Asp Leu Asn Ala Tyr Thr His
1 5

<210> 210
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 210

Val Thr Leu Pro Asn Phe His
1 5

<210> 211
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 211

Asn Ser Arg Leu Pro Thr Leu
1 5

<210> 212
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 212

Tyr Pro His Pro Ser Arg Ser
1 5

<210> 213
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 213

Gly Thr Ala His Phe Met Tyr
1 5

<210> 214
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 214

Tyr Ser Leu Leu Pro Thr Arg
1 5

<210> 215
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 215

Leu Pro Arg Arg Thr Leu Leu
1 5

<210> 216
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 216

Thr Ser Thr Leu Leu Trp Lys
1 5

<210> 217
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 217

Thr Ser Asp Met Lys Pro His
1 5

<210> 218
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 218

Thr Ser Ser Tyr Leu Ala Leu
1 5

<210> 219
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 219

Asn Leu Tyr Gly Pro His Asp
1 5

<210> 220
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 220

Leu Glu Thr Tyr Thr Ala Ser
1 5

<210> 221
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 221

Ala Tyr Lys Ser Leu Thr Gln
1 5

<210> 222
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 222

Ser Thr Ser Val Tyr Ser Ser
1 5

<210> 223
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 223

Glu Gly Pro Leu Arg Ser Pro
1 5

<210> 224
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 224

Thr Thr Tyr His Ala Leu Gly
1 5

<210> 225
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 225

Val Ser Ile Gly His Pro Ser
1 5

<210> 226
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 226

Thr His Ser His Arg Pro Ser
1 5

<210> 227
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 227

Ile Thr Asn Pro Leu Thr Thr
1 5

<210> 228
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 228

Ser Ile Gln Ala His His Ser
1 5

<210> 229
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 229

Leu Asn Trp Pro Arg Val Leu
1 5

<210> 230
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 230

Tyr Tyr Tyr Ala Pro Pro Pro
1 5

<210> 231
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 231

Ser Leu Trp Thr Arg Leu Pro
1 5

<210> 232
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 232

Asn Val Tyr His Ser Ser Leu
1 5

<210> 233
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 233

Asn Ser Pro His Pro Pro Thr
1 5

<210> 234
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 234

Val Pro Ala Lys Pro Arg His
1 5

<210> 235
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 235

His Asn Leu His Pro Asn Arg
1 5

<210> 236
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 236

Tyr Thr Thr His Arg Trp Leu
1 5

<210> 237
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 237

Ala Val Thr Ala Ala Ile Val
1 5

<210> 238
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 238

Thr Leu Met His Asp Arg Val
1 5

<210> 239
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 239

Thr Pro Leu Lys Val Pro Tyr
1 5

<210> 240
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 240

Phe Thr Asn Gln Gln Tyr His
1 5

<210> 241
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 241

Ser His Val Pro Ser Met Ala
1 5

<210> 242
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 242

His Thr Thr Val Tyr Gly Ala
1 5

<210> 243
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 243

Thr Glu Thr Pro Tyr Pro Thr
1 5

<210> 244
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 244

Leu Thr Thr Pro Phe Ser Ser
1 5

<210> 245
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 245

Gly Val Pro Leu Thr Met Asp
1 5

<210> 246
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 246

Lys Leu Pro Thr Val Leu Arg
1 5

<210> 247
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 247

Cys Arg Phe His Gly Asn Arg
1 5

<210> 248
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 248

Tyr Thr Arg Asp Phe Glu Ala
1 5

<210> 249
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 249

Ser Ser Ala Ala Gly Pro Arg
1 5

<210> 250
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 250

Ser Leu Ile Gln Tyr Ser Arg
1 5

<210> 251
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> unknown

<400> 251

Asp Ala Leu Met Trp Pro Xaa
1 5

<210> 252
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> unknown

<400> 252

Ser Ser Xaa Ser Leu Tyr Ile
1 5

<210> 253
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 253

Phe Asn Thr Ser Thr Arg Thr
1 5

<210> 254
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 254

Thr Val Gln His Val Ala Phe
1 5

<210> 255
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 255

Asp Tyr Ser Phe Pro Pro Leu
1 5

<210> 256
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 256

Val Gly Ser Met Glu Ser Leu
1 5

<210> 257
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> unknown

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> unknown

<400> 257

Phe Xaa Pro Met Ile Xaa Ser
1 5

<210> 258
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 258

Ala Pro Pro Arg Val Thr Met
1 5

<210> 259
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 259

Ile Ala Thr Lys Thr Pro Lys
1 5

<210> 260
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 260

Lys Pro Pro Leu Phe Gln Ile
1 5

<210> 261
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 261

Tyr His Thr Ala His Asn Met
1 5

<210> 262
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 262

Ser Tyr Ile Gln Ala Thr His
1 5

<210> 263
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 263

Ser Ser Phe Ala Thr Phe Leu
1 5

<210> 264
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 264

Thr Thr Pro Pro Asn Phe Ala
1 5

<210> 265
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 265

Ile Ser Leu Asp Pro Arg Met
1 5

<210> 266
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 266

Ser Leu Pro Leu Phe Gly Ala
1 5

<210> 267
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 267

Asn Leu Leu Lys Thr Thr Leu
1 5

<210> 268
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 268

Asp Gln Asn Leu Pro Arg Arg
1 5

<210> 269
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 269

Ser His Phe Glu Gln Leu Leu
1 5

<210> 270
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 270

Thr Pro Gln Leu His His Gly
1 5

<210> 271
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 271

Ala Pro Leu Asp Arg Ile Thr
1 5

<210> 272
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 272

Phe Ala Pro Leu Ile Ala His
1 5

<210> 273
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 273

Ser Trp Ile Gln Thr Phe Met
1 5

<210> 274
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 274

Asn Thr Trp Pro His Met Tyr
1 5

<210> 275
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 275

Glu Pro Leu Pro Thr Thr Leu
1 5

<210> 276
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 276

His Gly Pro His Leu Phe Asn
1 5

<210> 277
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 277

Tyr Leu Asn Ser Thr Leu Ala
1 5

<210> 278
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 278

His Leu His Ser Pro Ser Gly
1 5

<210> 279
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 279

Thr Leu Pro His Arg Leu Asn
1 5

<210> 280
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 280

Ser Ser Pro Arg Glu Val His
1 5

<210> 281
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 281

Asn Gln Val Asp Thr Ala Arg
1 5

<210> 282
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 282

Tyr Pro Thr Pro Leu Leu Thr
1 5

<210> 283
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 283

His Pro Ala Ala Phe Pro Trp
1 5

<210> 284
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 284

Leu Leu Pro His Ser Ser Ala
1 5

<210> 285
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 285

Leu Glu Thr Tyr Thr Ala Ser
1 5

<210> 286
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 286

Lys Tyr Val Pro Leu Pro Pro
1 5

<210> 287
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 287

Ala Pro Leu Ala Leu His Ala
1 5

<210> 288
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Random peptide in coliphage M13

<400> 288

Tyr Glu Ser Leu Leu Thr Lys
1 5

<210> 289
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 289

Ser His Ala Ala Ser Gly Thr
1 5

<210> 290
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 290

Gly Leu Ala Thr Val Lys Ser
1 5

<210> 291
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 291

Gly Ala Thr Ser Phe Gly Leu
1 5

<210> 292
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 292

Lys Pro Pro Gly Pro Val Ser
1 5

<210> 293
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 293

Thr Leu Tyr Val Ser Gly Asn
1 5

<210> 294
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 294

His Ala Pro Phe Lys Ser Gln
1 5

<210> 295
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 295

Val Ala Phe Thr Arg Leu Pro
1 5

<210> 296
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 296

Leu Pro Thr Arg Thr Pro Ala
1 5

<210> 297
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 297

Ala Ser Phe Asp Leu Leu Ile
1 5

<210> 298
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 298

Arg Met Asn Thr Glu Pro Pro
1 5

<210> 299
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 299

Lys Met Thr Pro Leu Thr Thr
1 5

<210> 300
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 300

Ala Asn Ala Thr Pro Leu Leu
1 5

<210> 301
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 301

Thr Ile Trp Pro Pro Pro Val
1 5

<210> 302
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 302

Gln Thr Lys Val Met Thr Thr
1 5

<210> 303
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 303

Asn His Ala Val Phe Ala Ser
1 5

<210> 304
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> unknown

<400> 304

Leu His Ala Ala Xaa Thr Ser
1 5

<210> 305
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 305

Thr Trp Gln Pro Tyr Phe His
1 5

<210> 306
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 306

Ala Pro Leu Ala Leu His Ala
1 5

<210> 307
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 307

Thr Ala His Asp Leu Thr Val
1 5

<210> 308
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 308

Asn Met Thr Asn Met Leu Thr
1 5

<210> 309
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 309

Gly Ser Gly Leu Ser Gln Asp
1 5

<210> 310
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 310

Thr Pro Ile Lys Thr Ile Tyr
1 5

<210> 311
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 311

Ser His Leu Tyr Arg Ser Ser
1 5

<210> 312
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 312

His Gly Gln Ala Trp Gln Phe
1 5

<210> 313
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 313

Leu Leu Leu Gly Thr Leu Asn Ile Val
1 5

<210> 314
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 314

Leu Leu Met Gly Thr Leu Gly Ile Val
1 5

<210> 315
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 315

Thr Leu Gln Asp Ile Val Leu His Leu
1 5

<210> 316
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 316

Gly Leu His Cys Tyr Glu Gln Leu Val
1 5

<210> 317
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide in m13 coliphage

<400> 317

Pro Leu Lys Gln His Phe Gln Ile Val
1 5

<210> 318
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 318

agatatacat atggatgatg aagtcgacgt gg 32

<210> 319
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> random DNA in m13 coliphage

<400> 319

tcggatcctt acaattcatc cttctctgta gattc 35

<210> 320
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Random peptide in coliphage M13

<400> 320

Phe His Trp Trp Trp
1 5

<210> 321
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> hybrid peptide

<400> 321

Ser Ile Ile Asn Phe Glu Lys Leu Gly Ser Gly His Trp Asp Phe Ala
1 5 10 15

Trp Pro Trp
19